Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/31/2018 11:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123068	-2	2.27	123183	2.27
Blue	F	SSC	125000	122679	-2	3.88	123326	3.83
Blue	E	FITC	16596	16059	-4	3.81	346	21.92
Blue	D	PE	29392	28253	-4	3.17	611	16.43
Blue	B	PerCP-Cy5-5	38531	37937	-2	4.87	1162	22.50
Blue	A	PE-Cy7	26351	26559	0	8.00	655	45.33
Red	C	APC	43035	41968	-3	3.05	1575	13.72
Red	A	APC-Cy7	25611	25075	-3	3.67	885	13.02
Violet	B	V450	8803	8224	-7	4.51	461	14.65
Violet	A	V500	32560	31809	-3	4.27	741	11.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20250	4.91	605	8	N/A	N/A	Pass
Blue	F	SSC	55991	3.36	573	18	N/A	N/A	Pass
Blue	E	FITC	60	74.13	558	8	0.0171	227	Pass
Blue	D	PE	128	57.56	557	8	0.1494	362	Pass
Blue	B	PerCP-Cy5-5	223	54.09	663	12	0.0076	73	Pass
Blue	A	PE-Cy7	128	109.89	720	15	0.0088	20	Pass
Red	C	APC	370	28.68	603	6	0.0189	112	Pass
Red	A	APC-Cy7	218	28.00	576	5	0.0047	929	Pass
Violet	B	V450	73	67.39	477	2	0.0467	2622	Pass
Violet	A	V500	111	40.03	488	4	0.0211	1455	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.52	-32.25	1.11
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	18.37	13.60 - 20.40	N/A	N/A	29.71	29.95	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9909

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments